



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

April 7, 2016

Amy Plato Roberts  
Authorized Agent to Premier Tech Horticulture  
Technology Sciences Group, Inc.  
1150 18<sup>th</sup> Street, NW, Suite 1000  
Washington, DC 20036

Subject: Labeling Notification per Pesticide Registration Notice (PRN) 98-10 – To Add Alternate Brand Name and Update Company Contact Information  
Product Name: GHA 180 Biological Fungicide  
EPA Registration Number: 74267-2  
Application Date: 02/19/2016  
OPP Decision Number: 514467

Dear Ms. Roberts:

The U.S. Environmental Protection Agency (EPA) is in receipt of your application for notification under Pesticide Registration Notice (PRN) 98-10 for the above referenced product. The Biopesticides and Pollution Prevention Division (BPPD) has conducted a review of this request for its applicability under PRN 98-10 and finds that the action requested falls within the scope of PRN 98-10.

The labeling submitted with this application has been stamped “Notification” and will be placed in our records. The alternate brand name been added to the product’s records. You must submit one (1) copy of the final printed labeling with the modifications.

Should you wish to add/retain a reference to your company’s website on your label, then please be aware that the website becomes labeling under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) and is subject to review by the EPA. If the website is false or misleading, the product will be considered to be misbranded and sale or distribution of the product is unlawful under FIFRA section 12(a)(1)(E). 40 CFR § 156.10(a)(5) lists examples of statements the EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product’s label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the EPA find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA-approved registration, the website will be referred to the EPA’s Office of Enforcement and Compliance Assurance.

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If you have any questions, please contact Nicola Steinmetz of my team by phone at (703) 347-8567 or via email at [steinmetz.nicola@epa.gov](mailto:steinmetz.nicola@epa.gov).

Sincerely,

A handwritten signature in black ink, appearing to read 'Alan Reynolds', with a stylized flourish at the end.

Alan Reynolds, Team Leader  
Microbial Pesticides Branch  
Biopesticides and Pollution  
Prevention Division (7511P)  
Office of Pesticide Programs

# NOTIFICATION

74267-2

The applicant has certified that no changes, other than those reported to the Agency have been made to the labeling. The Agency acknowledges this notification by letter dated:

04/07/2016

## GHA 180 Biological Fungicide

An aqueous suspension for greenhouse use

(Alternate brand names: GHA 180, **PRO-MIX® PUR™**  
**BIOFUNGICIDE™ LIQUID**)

### CAUTION:

KEEP OUT OF REACH OF CHILDREN

See Additional Precautionary Statements on Back Panel

#### ACTIVE INGREDIENT:

*Bacillus pumilus*, strain GHA180\* .....0.37%

**INERT INGREDIENTS**.....99.63%

Total.....100.00%

\*Contains a minimum of  $1 \times 10^9$  viable spores/ml  
( $3.78 \times 10^{12}$  viable spores/gallon)

**EPA Reg. No. 74267-2**

**EPA Establishment No. XXXXXX**

[www.premiertech.com](http://www.premiertech.com)

GHA180 contains a *Bacillus pumilus* bacteria which colonize developing root systems and suppress disease-causing organisms, such as *Pythium*, *Fusarium* and *Rhizoctonia*, that attack root systems. As the root system develops, the bacteria grow within the rhizosphere extending the protection throughout the growing season. As a result, a vigorous root system is established, which result in more uniform plant stands after transplanting.

GHA180 is most effective when used as a preventive treatment.

NET CONTENTS: 32 fl. oz., 64 fl. oz., 1 gal.,  
1.25 gal., 2.50 gal., 5 gal.

Date of Manufacture:

Batch Code:

Use by:

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**Important:** GHA 180 is only registered for use in protected growing environments (e.g. glasshouse or greenhouse), and is not for use in non-protected environment (eg. non-contained nurseries or slat houses).

### PRECAUTIONARY STATEMENTS

**Hazards to Humans and Domestic Animals. CAUTION:** Causes moderate eye irritation .Avoid contact with eyes or clothing. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

**Personal Protective Equipment (PPE):** Unless specifically differentiated, the PPE requirements that follow apply to both Worker Protection Standard (WPS) uses (in general, agricultural-plant uses are covered the Worker Protection Standard (40 CFR Part 170)) and Non-WPS uses.

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Waterproof gloves
- Shoes plus socks

Follow manufacturer’s instructions for cleaning and maintaining PPE. If no instructions are available, use detergent and hot water for washables. Keep and wash PPE separately from other laundry.

For WPS uses, the following apply:

Mixers/loaders and applicators must wear a dust/mist filtering respirator meeting NIOSH standards of at least N-95, R-95, or P-95.

For Non-WPS uses, the following apply:

As a general precaution, when exposed to high concentrations of a living microbial product such as this, wear a dust particle mask when mixing or applying this product.

**Environmental Hazards:** For terrestrial uses, do not apply directly to water, or to areas where surface water is present. Do not contaminate water when cleaning equipment or disposing of equipment wash water.

### User Safety Recommendations:

Users should remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

Users should remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing

### FIRST AID

<b>If in Eyes</b>	<ul style="list-style-type: none"><li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li><li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li><li>• Contact a poison control center or doctor for treatment advice.</li></ul>
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Have the product container or label with you when calling a poison control center or doctor or going for treatment.

For emergency information on (product, use, etc.), call the National Pesticides Information Center at 1-800-858-7378, 6:30 AM to 4:30 PM Pacific time (PT), seven days a week. During other times, call the poison control center 1-800-222-1222.

## **DIRECTIONS FOR USE**

It is a violation of Federal Law to use this product in a manner inconsistent with its labelling. For any requirements specific to your State or Tribe, consult the State or Tribal agency responsible for pesticide regulation. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application.

## **AGRICULTURAL USE REQUIREMENTS**

Use this product only in accordance with its labelling and with the Worker Protection Standard, 40 CFR Part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), and restricted entry intervals (REI). The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 4 hours.

There is a four (4) hours restricted entry interval for this product

PPE required for early entry to treated areas (that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water), is:

- coveralls over long-sleeved shirt and long pants
- chemical-resistant gloves
- protective eyewear

Exception: if the product is soil-injected or soil incorporated, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated.

## **FOR INCORPORATION INTO PEAT MOSS OR GROWING MEDIA**

GHA 180 must be diluted with water before incorporation to peat moss, peat-based growing media or soil-based growing media. Mix 2 ½ tablespoons (1.25 Fl. Oz.) of GHA180 with 2 to 5 gallons of water and then apply the mixture uniformly into 1 cubic yard of loose growing media. Do not store the dilute mixture for longer than 24 hours. Do not apply this product through any type of irrigation system.

Note: GHA 180 can be applied to sterilized or fumigated soil but **MUST BE APPLIED AFTER STERILIZATION OR FUMIGATION**

## **FOR USE AS A SOIL DRENCH APPLICATION IN GREENHOUSES AND ENCLOSED NURSERIES**

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Use GHA 180 on container bench, or bed-grown ornamentals in greenhouses or enclosed nurseries, on annual and perennial flowers, bedding plants, vegetable transplants, foliage plants, ground covers, deciduous trees and shrubs. Apply as a drench or spray directly to the growing media. Doing applications during or after seeding, sticking of cutting or after transplanting. Thoroughly soak the growing media through root zone.

Mix 7 fl. oz. of GHA 180 with 100 gallons of water. Apply mixture to container-grown plants, and bed and bench plants, according to the guidelines below (at seeding or transplanting and re-treat at 20 day intervals if additional applications are necessary).

GHA 180 Drench for bed and bench grown plants	
Soil Depth (inches)	Sq. Ft./100 gallons of mixture
3" or less	580
4-6"	290
6-12"	145

GHA 180 Drench for container grown plants		
Pot diameter (inches)	Min. Drench Volume Fl. Oz. of mixture /Pot	Number of pots per 100 gallons of mixture
4"	2	7447
6"	5	2979
8"	13	1146
10"	22	677
12"	44	339

## STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal. Do not contaminate water by cleaning of equipment or disposal wastes.

**PESTICIDE STORAGE:** Store at ambient temperature (18 to 25 °C). Don't expose to direct sunlight. Store in original containers only. Keep container closed when not in use. Material must be used within 23 months of the Date of Manufacture.

**PESTICIDE DISPOSAL:** Wastes resulting from the use of this product may be disposed on site, or at an approved waste disposal facility.

### CONTAINER HANDLING:

**Nonrefillable container.** Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill.

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MANUFACTURED FOR:  
GUARANTEED BY:  
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For additional information, call:  
1 (800) 525-2553

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**Made in Canada**

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